

Start



MODIS

1 Standard Production

MODIS Goals

- *Archive Data as PGE Inputs*
- *Automatic Scheduling*
- *Production Chaining*
- *Concurrent PGE Execution*
- *Standing Orders (electronic)*
- *Failed PGE Handling*

MODIS Preconditions

MODIS ESDTs inserted into ECS

- *MOD01SYN, MOD03SYN, MOD01, MOD02LUT,*
- *MOD02, MOD03, MOD029*

MODIS PGEs passed SSI&T

- *PGE01synth, PGE02, PGE08*

Ancillary data inserted into Data Server

Production inputs MOD01SYN & MOD03SYN data inserted into Data Server

Subscription for:

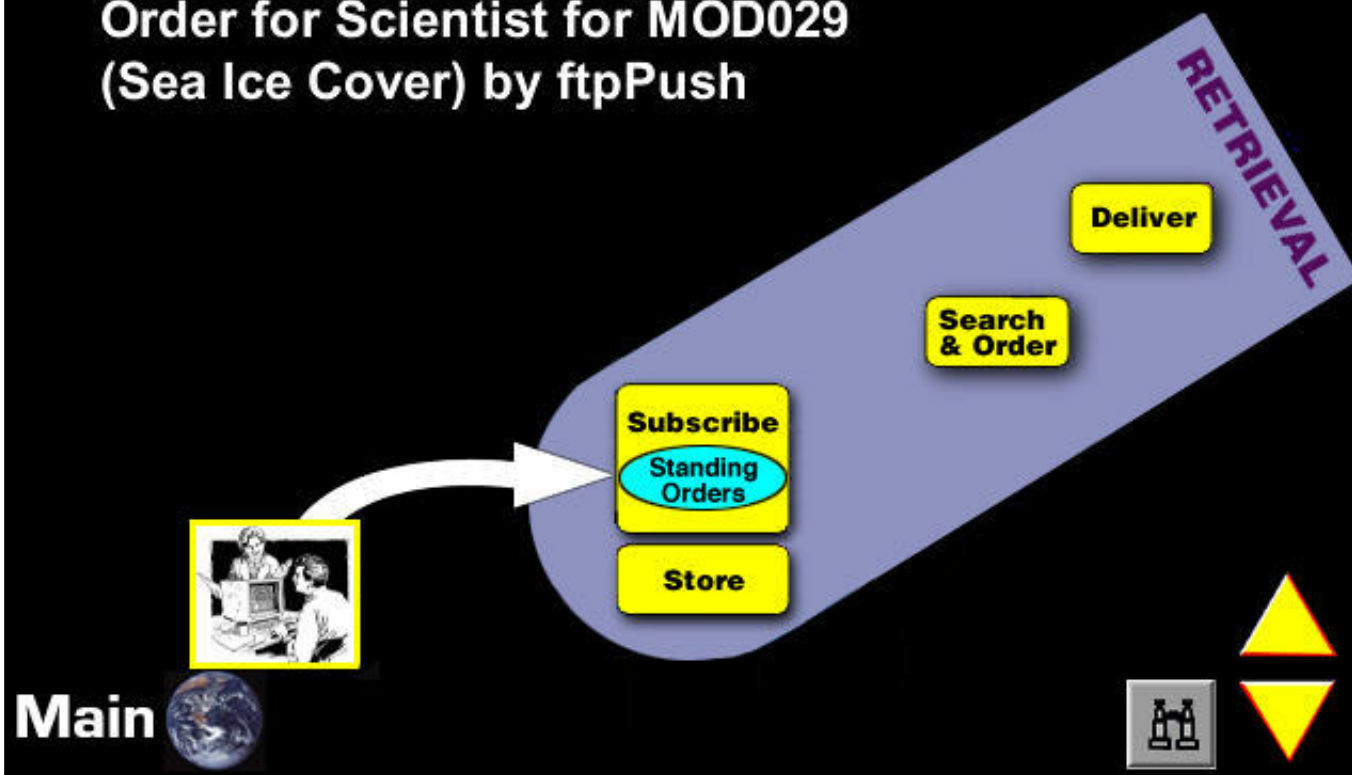
- *FailPGE handling on MODIS PGEs.*

Standard Production
Product Subscription
Standard Production
Failed PGE
Data Search

Main



Operator submits Standing
Order for Scientist for MOD029
(Sea Ice Cover) by ftpPush



Operator
activates a plan
for running
PGE01synth,
with previously
inserted
granules



PRODUCTION

Process

Standard

Subscribe

Notification

Store

Archive
Data

Catalogue
Data

Retrieve
Data

Main



PGE01 synth
retrieves
indicated
MOD01SYN and
MOD03SYN
granules

PRODUCTION

Process

Standard

Subscribe

Notification

Store

Archive
Data

Catalogue
Data

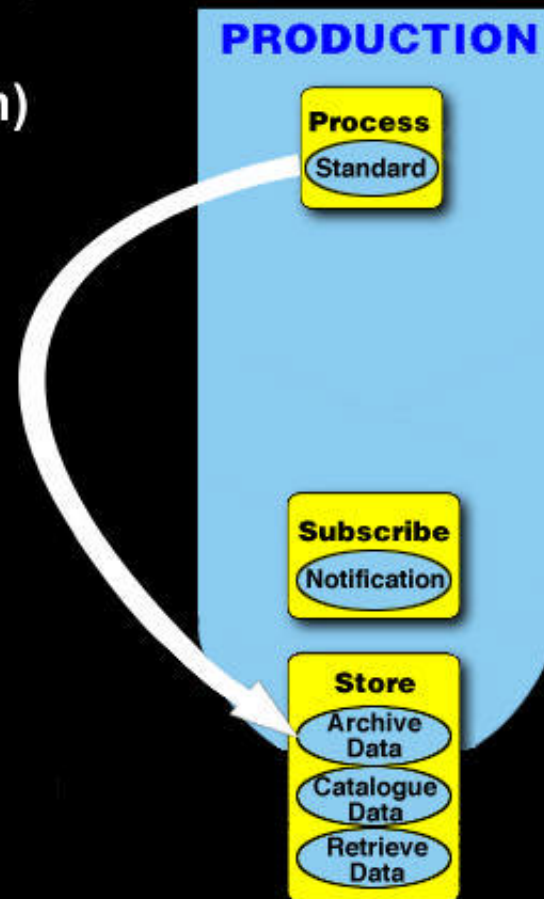
Retrieve
Data

Main



Archive MOD01 and MOD03 (Geolocation) granules

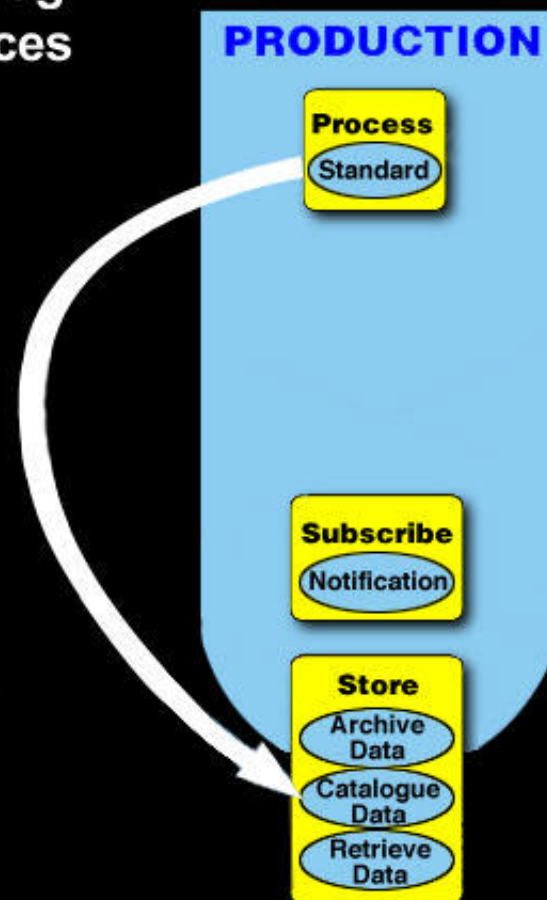
MODIS 5



Main



Update catalog
with references
to MOD01
and MOD03
granules

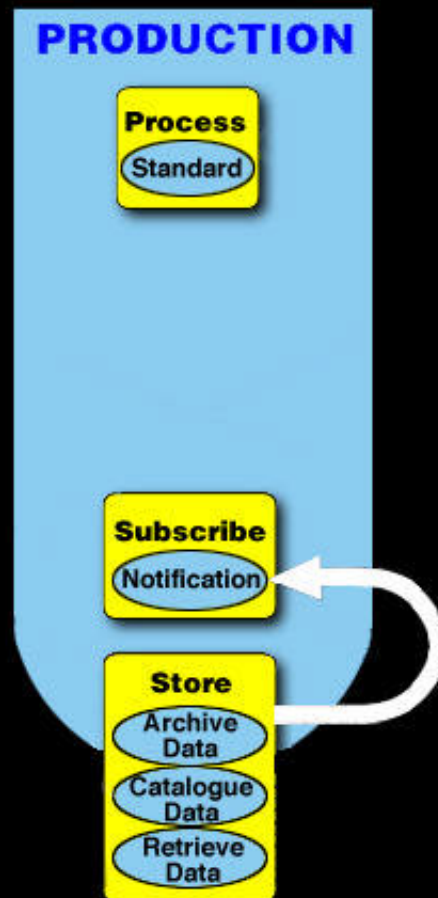


Main



Notify
subscribers of
new MOD01
and MOD03
granules

MODIS 7

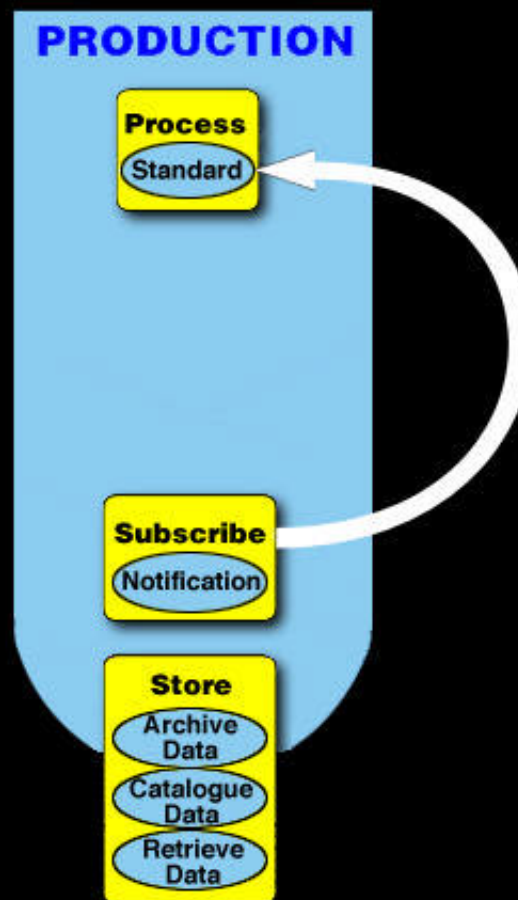


Main



Begin Standard Production of PGE02

MODIS 8



Main



Retrieve
MOD02LUT for
PGE02 only
Other required
inputs still
available on
system

PRODUCTION**Process**

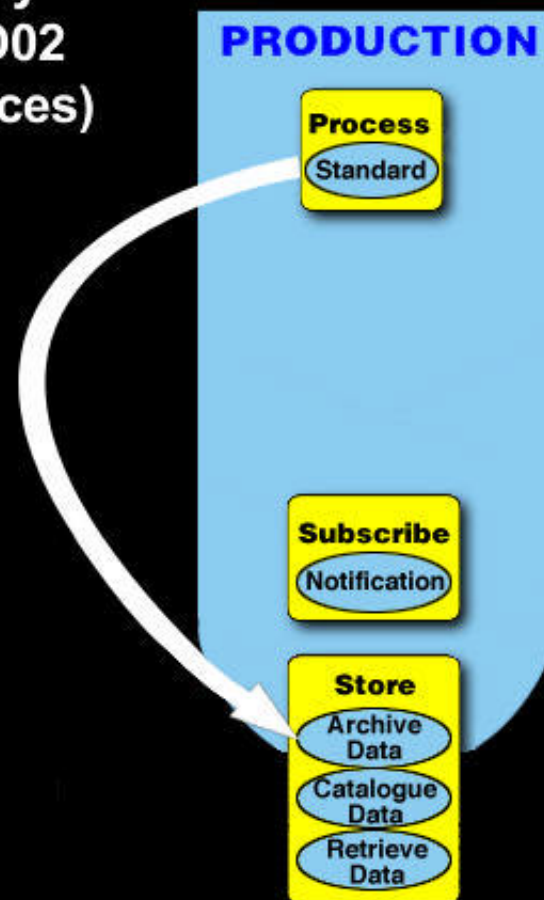
Standard

Subscribe

Notification

StoreArchive
DataCatalogue
DataRetrieve
Data**Main**

Archive newly
created MOD02
(L1B Radiances)
granules



Main



Update catalog
with references to
MOD02 granules

MODIS 11

PRODUCTION

Process
Standard

Subscribe
Notification

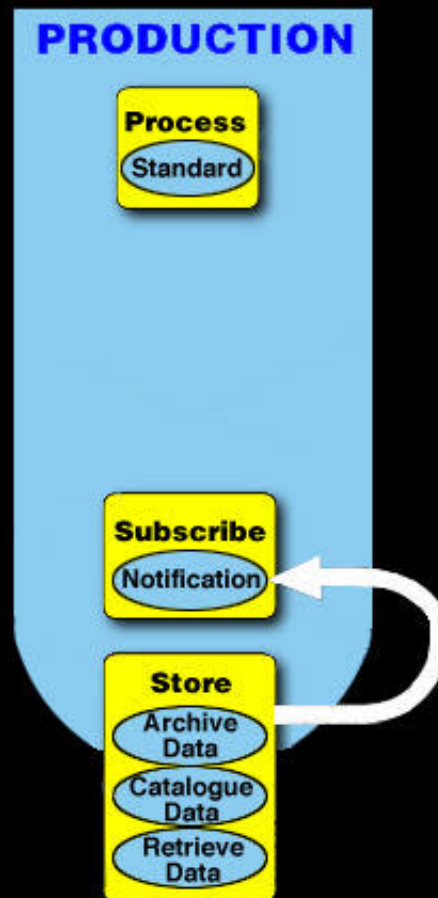
Store
Archive Data
Catalogue Data
Retrieve Data

Main



Notify
subscribers of
new MOD02
granules

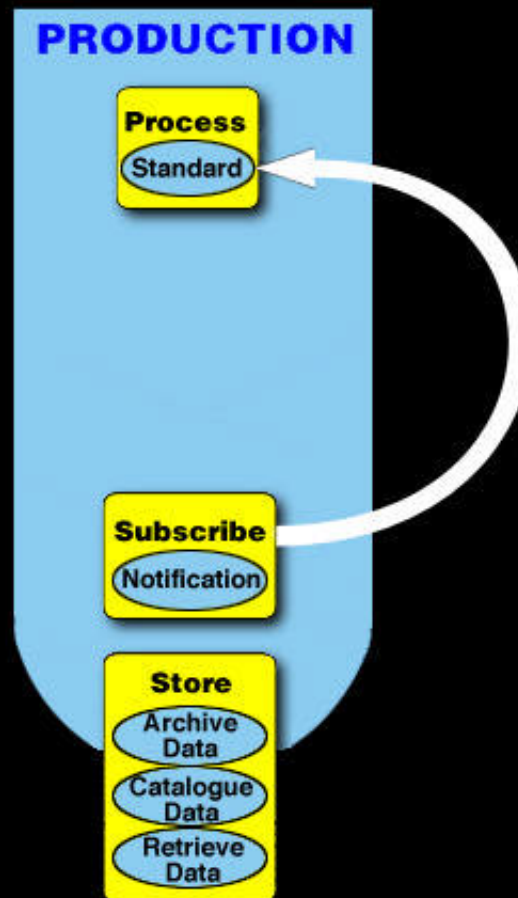
MODIS 12



Main



**Begin Standard
Production of
PGE08, to
generate MOD029
(L2 Sea Ice Cover)
data
All required
inputs still
available on
system**



Main



PGE08 Fails
(night data)
Production files
tar'd and archive

PRODUCTION

Process
Standard

Subscribe
Notification

Store
Archive Data
Catalogue Data
Retrieve Data

Main



PRODUCTION**Process**

Standard

Subscribe

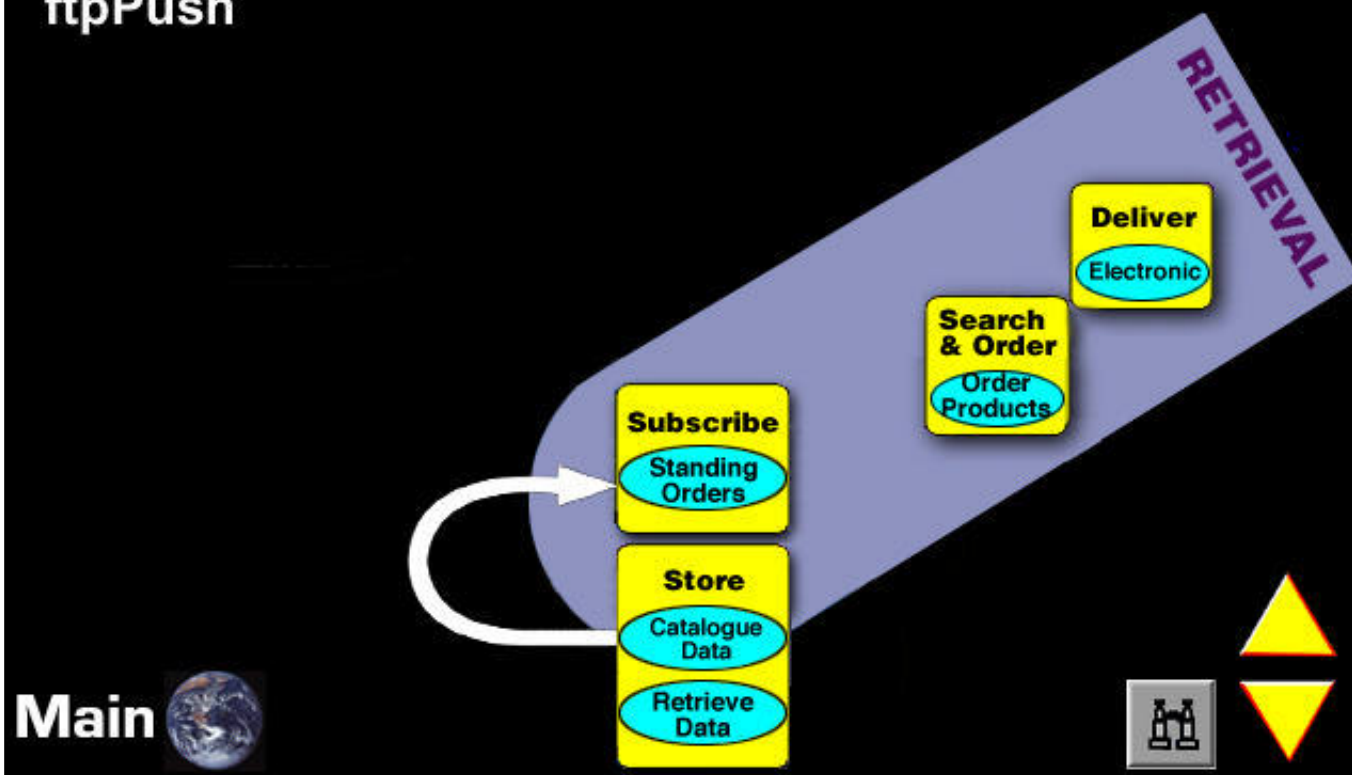
Notification

StoreArchive
DataCatalogue
DataRetrieve
Data

Update catalog
with references
for FAILPGE

Main

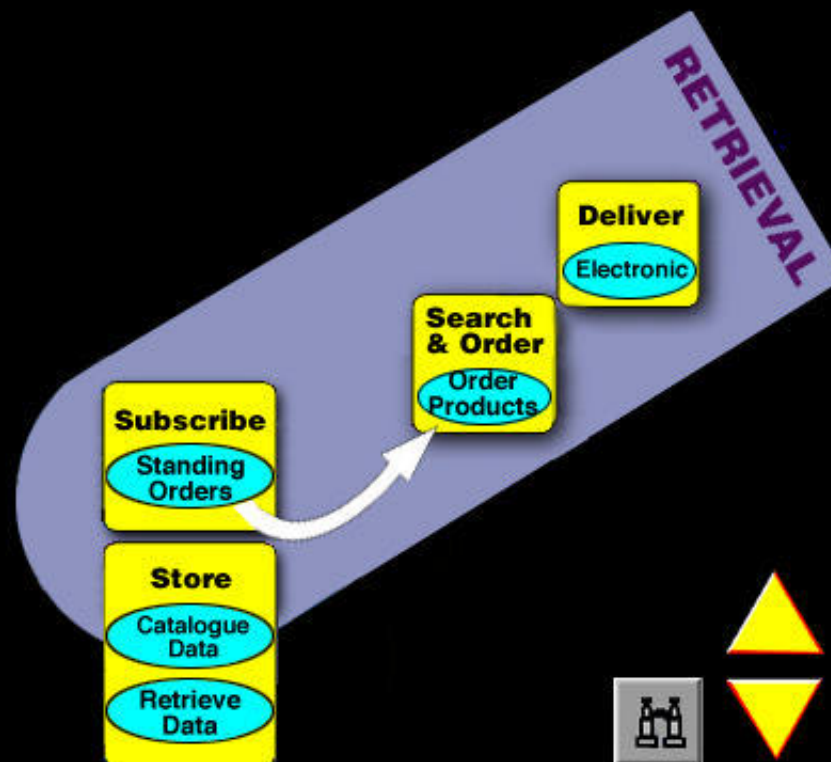
Fulfill Standing Order for failed MODIS PGEs via ftpPush



Submit order for
failed PGE on
behalf of scientist

MODIS 17

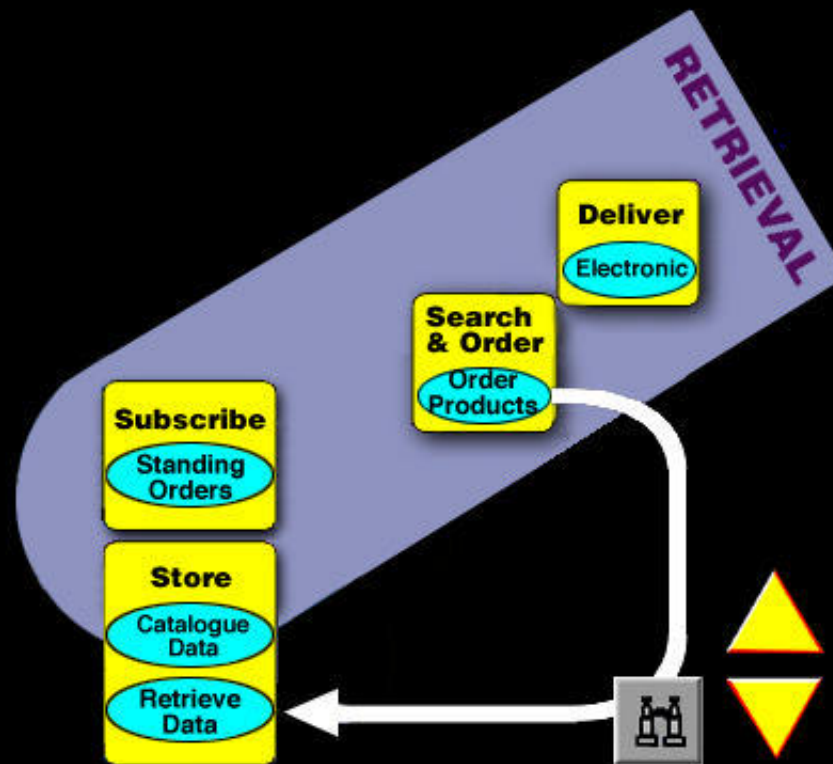
Main



Retrieve newly
created FAILPGE
granule

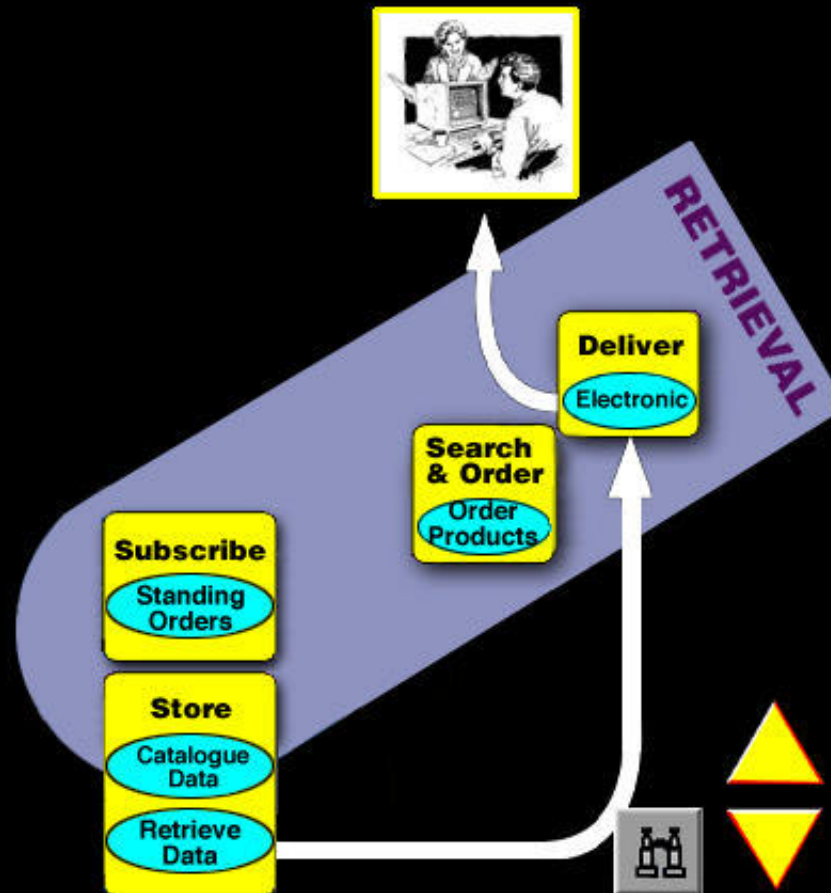
MODIS 18

Main

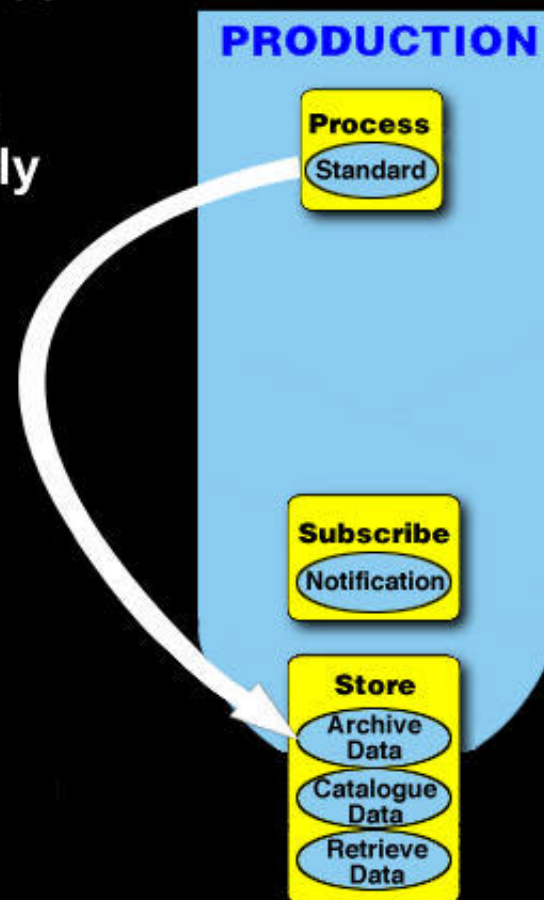


Ftp FAILPGE granule to MODIS scientist's workstation

Main



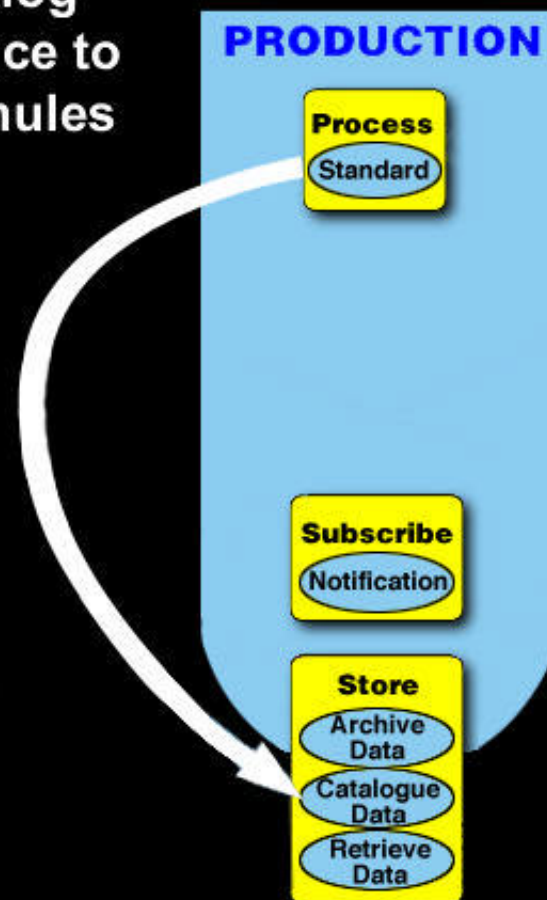
**Second PGE08
completes
successfully.
Archive newly
generated
MOD029
granules**



Main



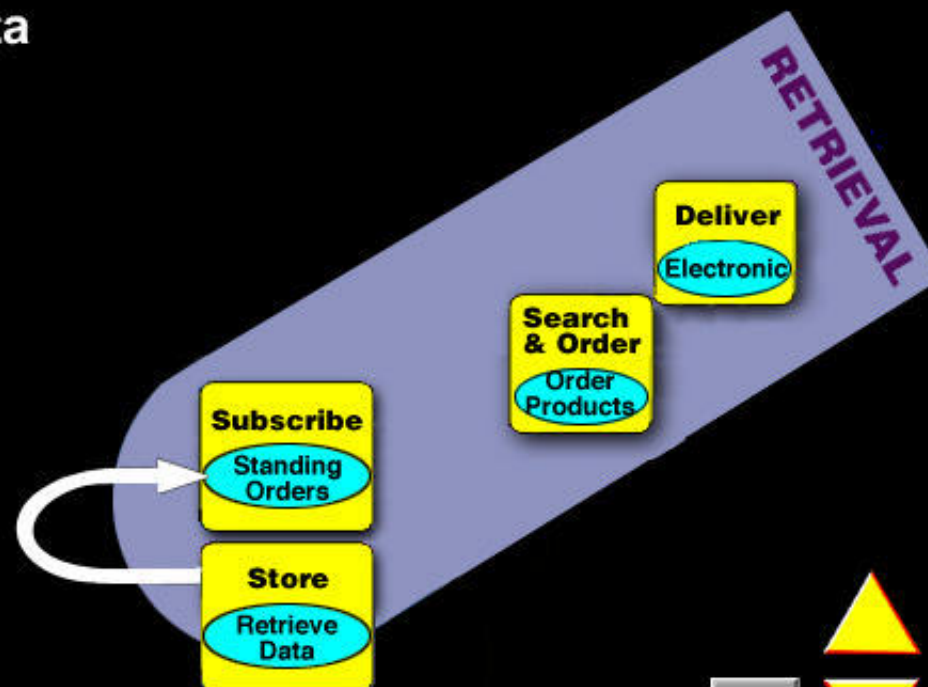
Update catalog
with reference to
MOD29 granules



Main



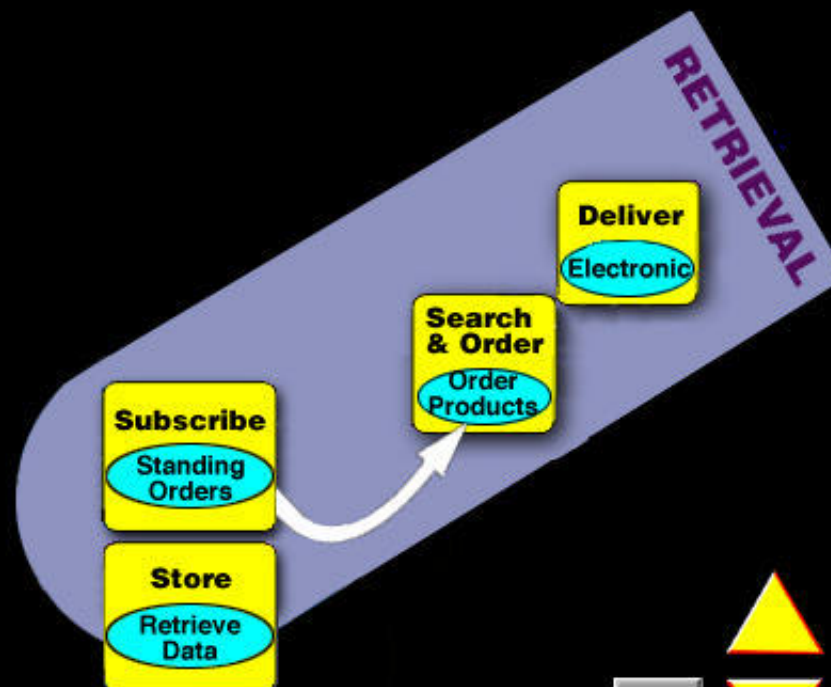
Fullfill standing
order for
MOD029 data
by ftpPush



Main



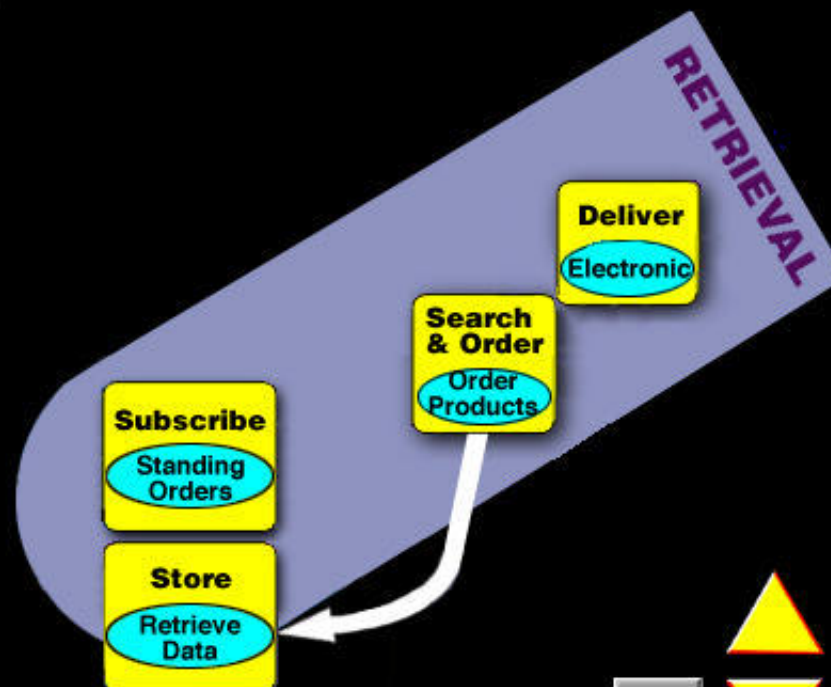
Submit order
for new
MOD029 on
behalf of
scientist



Main



Retrieve newly
created MOD029
granule

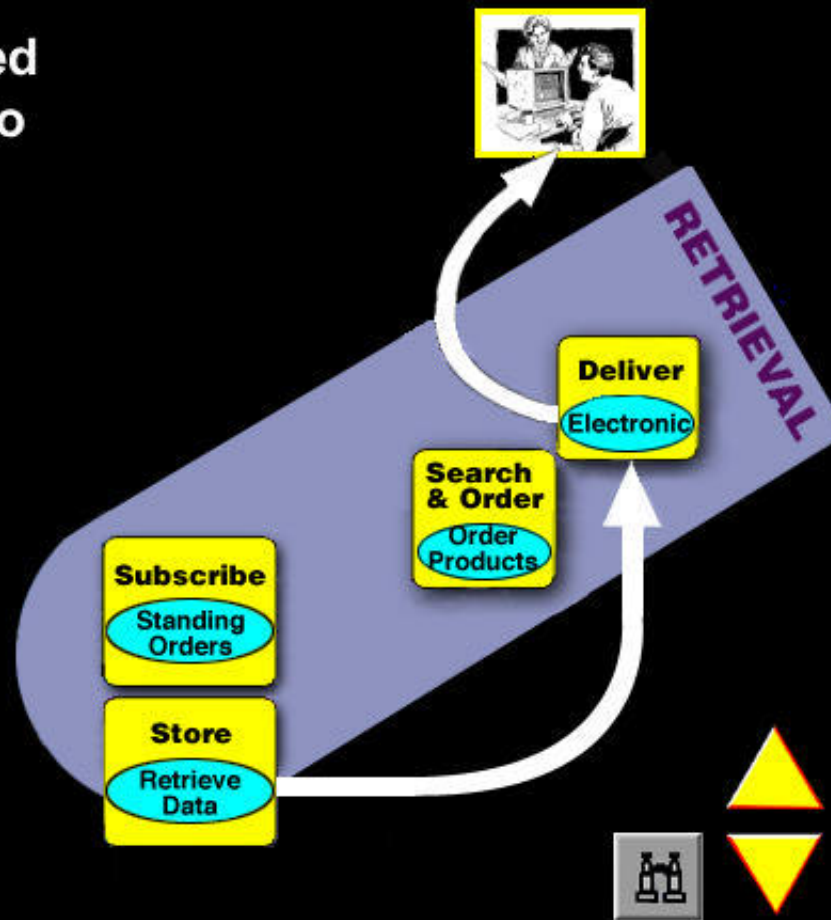


Main



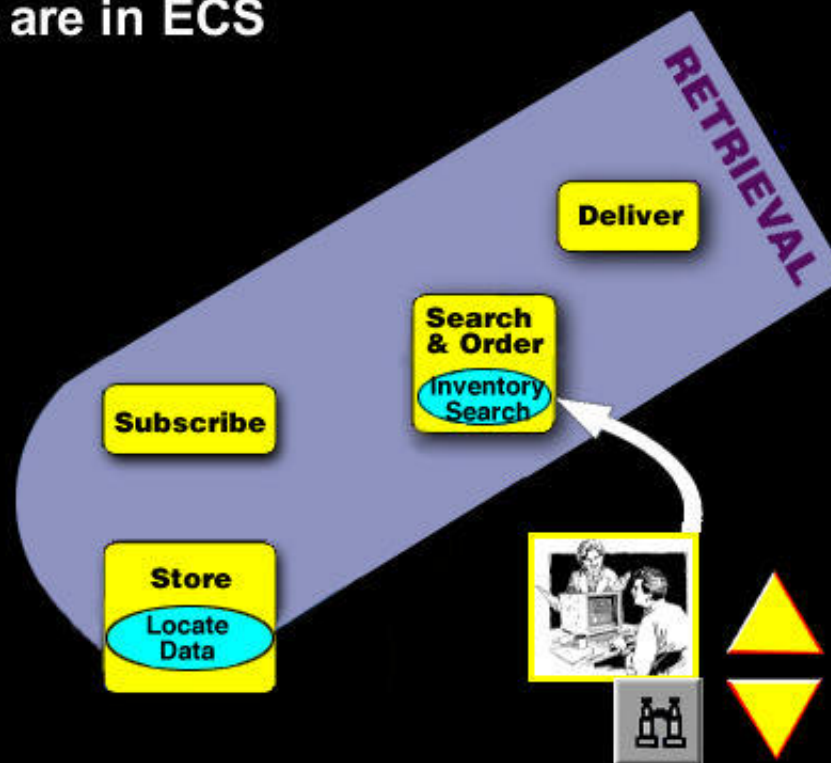
Copy newly created
MOD029 granule to
user and e-mail
notification to
scientist

Main



Operator verifies all newly
created granules are in ECS
data holdings

Main



Locate granules meeting
search criteria

